

## CONTENTS OF VOLUME 23

### Number 1

Copper Accumulation by Two Bivalve Molluscs: Salinity Effect is Independent of Cupric Ion Activity . . . . .	1
DAVID A. WRIGHT and CRAIG D. ZAMUDA (USA)	
Physiological Responses of <i>Mytilus edulis</i> During Chronic Oil Exposure and Recovery . . . . .	15
J. WIDDOWS, P. DONKIN and S. V. EVANS (Great Britain)	
Bioenergetic Responses of the Marine Bivalve <i>Venus verrucosa</i> on Long-term Exposure to Petroleum Hydrocarbons . . . . .	33
VICTOR AXIAK (Malta) and JENNIFER J. GEORGE (Great Britain)	
Reduced Survival and Condition of the Bivalves <i>Protothaca staminea</i> and <i>Mytilus edulis</i> Buried by Decomposing Bark . . . . .	49
J. LINCOLN FREESE and CHARLES E. O'CLAIR (USA)	
Linear Alkyl Benzenes (LABs) in Sediments of Port Phillip Bay (Australia) . . . . .	65
A. P. MURRAY, C. F. GIBBS and P. E. KAVANAGH (Australia)	
Book Review . . . . .	77

### Number 2

Levels of Activity as Indicators of Sublethal Impacts of Copper Contamination and Salinity Reduction in the Intertidal Gastropod, <i>Polinices incei</i> Philippi . . . . .	79
R. L. KITCHING, H. F. CHAPMAN and J. M. HUGHES (Australia)	
Temporal Changes in AHH and SOD Activities in Feral Spot from the Elizabeth River, a Polluted Sub-estuary . . . . .	89
MORRIS H. ROBERTS Jr, DANIEL W. SVED and SAMUEL P. FELTON (USA)	
The Occurrence of Hydrocarbons and Histopathological Abnormalities in Oysters for Seven Years Following the Wreck of the <i>Amoco Cadiz</i> in Brittany (France) . . . . .	103
F. BERTHOU, G. BALOUËT, G. BODENNEC and M. MARCHAND (France)	
The Behaviour of the Nematode/Copepod Ratio in Organic Pollution Studies . . . . .	135
DAVE RAFFAELLI (Great Britain)	

## Number 3

- Hepatic Lesions in English Sole (*Parophrys vetulus*) from Commencement Bay, Washington (USA) . . . . . 153  
 D. SCOTT BECKER, THOMAS C. GINN, MARSHA L. LANDOLT  
 and DAVID B. POWELL (USA)
- The Incidence and Characteristics of Plastic Particles Ingested by Seabirds . . . . . 175  
 PETER G. RYAN (Republic of South Africa)
- Induced Resistance to Polychlorinated Biphenyls Confers Cross-resistance and Altered Environmental Fitness in a Marine Diatom . . . . . 207  
 ELIZABETH M. COSPER, BARRY J. SNYDER, LYNN M. ARNOLD,  
 LORI A. ZAIKOWSKI and CHARLES F. WURSTER (USA)

## Number 4

- Guest Editorial . . . . . 223
- The Sea-surface Microlayer of Puget Sound: Part I. Toxic Effects on Fish Eggs and Larvae . . . . . 227  
 JOHN HARDY, STEVEN KIESSER, LIAM ANTRIM, ALAN STUBIN,  
 RICHARD KOCAN and JOHN STRAND (USA)
- The Sea-surface Microlayer of Puget Sound: Part II. Concentrations of Contaminants and Relation to Toxicity . . . . . 251  
 J. T. HARDY, E. A. CRECELIUS, L. D. ANTRIM, V. L. BROADHURST,  
 C. W. APTS, J. M. GURTISEN and T. J. FORTMAN (USA)
- Toxicity of Sea-surface Microlayer: Effects on Herring and Turbot Embryos . . . . . 273  
 H. VON WESTERNHAGEN (Federal Republic of Germany),  
 M. LANDOLT, R. KOCAN (USA), G. FURSTENBERG, D. JANSSEN  
 and K. KREMLING (Federal Republic of Germany)
- Toxicity of Sea-surface Microlayer: Effects of Hexane Extract on Baltic Herring (*Clupea harengus*) and Atlantic Cod (*Gadus morhua*) Embryos . . . . . 291  
 R. M. KOCAN (USA), H. VON WESTERNHAGEN (Federal Republic of Germany),  
 M. L. LANDOLT (USA) and G. FURSTENBERG (Federal Republic of Germany)
- Contaminant Concentrations and Toxicity of Sea-surface Microlayer Near Los Angeles, California . . . . . 307  
 JEFFREY N. CROSS, JOHN T. HARDY, JO ELLEN HOSE,  
 G. PATRICK HERSHELMAN, LIAM D. ANTRIM,  
 RICHARD W. GOSSETT and ERIC A. CRECELIUS (USA)
- A Laboratory Study of the Accumulation and Toxicity of Contaminants at the Sea Surface from Sediments Proposed for Dredging . . . . . 325  
 J. Q. WORD, J. T. HARDY, E. A. CRECELIUS and S. L. KIESSER (USA)

